

Amend the claims as follows:

1. (Original) An apparatus comprising a base, the base comprising a circular display of first markings divided into 153 equiangular parts disposed along substantially the entire periphery of the circular display, the 153 equiangular parts grouped into five segments, the first segment having 31 equiangular parts, the second segment having 30 equiangular parts and being labeled "April" and "September", the third segment having 31 equiangular parts and being labeled "May" and "October", the fourth segment having 30 equiangular parts and being labeled "June" and "November", and the fifth segment having 31 equiangular parts and being labeled "July" and "December", respectively, in clockwise fashion around the circular display.
2. (Original) The apparatus of claim 1, wherein the first segment is labeled "March" and "August".
3. (Original) The apparatus of claim 1, wherein the first segment is labeled "August" and "January".
4. (Original) The apparatus of claim 1, wherein the first segment is labeled "March", "August" and "January".
5. (Original) The apparatus of claim 1, wherein the second segment is labeled "February", "September" and "April".
6. (Original) The apparatus of claim 1, wherein the base is substantially planar and opaque.
7. (Original) The apparatus of claim 1, further comprising one or more discs rotatably joined at a central axis to the circular display portion of the base, wherein the discs have a circular display of markings disposed along at least a section of the periphery thereof, the markings representing

activities or events of interest.

8. (Original) The apparatus of claim 7, further comprising an additional disc having at least a circular display of markings disposed along at least a portion of the periphery thereof, the markings being divided into equiangular parts labeled with the days of the week.

9. (Original) The apparatus of claim 7, wherein the events of interest are related to a series of medical treatments.

10. (Original) The apparatus of claim 7, wherein the events of interest are related to banking, law, construction or insurance.

11. (Original) The apparatus of claim 1, adapted to determine physiologic phases and optimum time for fertility tests, treatments, and protocols based on menstrual or ovulation physiology, the apparatus further comprising first and second discs adapted to be rotatably joined at a central axis to the circular display on the base, the first disc having at least a circular display of second markings disposed along at least a portion of the periphery thereof, the second markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles; wherein in use, the first disc is aligned with the base such that the days of a menstrual cycle are aligned with the appropriate calendar day on the base and the second disc is aligned with the first disc such that events of interest relating to one or more menstrual cycles are aligned with the appropriate cycle day.

12. (Original) The apparatus of claim 11, further comprising a third disc having at least a circular display of fourth markings disposed along at least a portion of the periphery thereof, the fourth markings being divided into equiangular parts labeled with the days of the week.

3. (Original) The apparatus of claim 12, further comprising a reversible locking means for securing the first, second and third discs to the base, the locking means preventing the discs from rotating once they are aligned.

14. (Original) The apparatus of claim 11, wherein the first disc further comprises fifth markings disposed in a circular display, the fifth markings representing initial steps in one or more physiologic phase or fertility test, treatment or protocol, the physiologic phase or fertility test, treatment or protocol having initial and final steps.

15. (Original) The apparatus of claim 14, wherein the second disc further comprises sixth markings disposed in a circular display, the sixth markings representing the final steps in the physiologic phase, test, treatment or protocol from the first disc.

16. (Original) The apparatus of claim 15, wherein the initial and final steps of a single phase, test, treatment or protocol on the first and second discs are the same color, and each phase, test, treatment and protocol is a different color.

17. (Original) The apparatus of claim 11, further comprising a mask which covers the unused portions of the calculator once a calculation is made, the mask comprising an opaque disc with a section cut out, the mask being the same size as the circular display on the base, and adapted to be rotatably set in coaxial relation with the base and first and second discs.

18. (Original) The apparatus of claim 17, wherein the mask comprises two sections which overlap to create an opening of variable size.

19. (Original) The apparatus of claim 11, further comprising an indicator arm for indicating the possibility of pregnancy, the indicator arm comprising a transparent arm extending from the center of the calculator to at least the outer edge of the second disc, the arm adapted to be rotatably set in coaxial relation therewith, the arm having a first marker representing intercourse,

and a second marker representing the chance of sperm, wherein the second marker extends from the first marker out to a distance of up to six units, representing up to six days, including the day indicated by the first marker; wherein in use the start of the last menstrual period on the first disc is aligned with the appropriate calendar day on the base, and the indicator arm is positioned such that the first marker is aligned with the day of the month of intercourse, and the possibility of pregnancy is determined by the overlap of the second marker with a chance of egg marker on the first disc, wherein overlap indicates a possibility of pregnancy.

20. (Original) The apparatus of claim 14, wherein the first and second discs comprise a matched set, and are exchangeable with other disc sets containing steps for different fertility tests, treatments, protocols and physiologic phases.

21. (Original) The apparatus of claim 11, wherein the fertility tests, treatments, protocols and physiologic phases are selected from the group consisting of last menstrual period, current menstrual period, next menstrual period, follicular phase, luteal phase, estrogen levels, progesterone levels, lutenizing hormone blood levels, follicular stimulating hormone blood levels, lutenizing hormone surge, follicular recruitment, follicular dominance, follicle growth, ovulation, luteogenesis, luteolysis, fertilization of oocyte, non-fertile times, fertile times, maybe fertile times, embryo development, zygote, morula, blastocyst, hatching, implantation, embryo, fetus, blood pregnancy test, urine pregnancy test, early pregnancy ultrasound, embryonic plate, fetal heart motion, limb budding, timed intercourse, start basal body temperature chart, basal body temperature shift, cervical mucus, probable ovulation, average cycle length, no intercourse, start urine lutenizing hormone tests, urine lutenizing hormone positive test, lutenizing hormone and follicular stimulating hormone tests, post coital test, semen analysis, mid-luteal progesterone level, hystero salpingogram x-ray, endometrial biopsy, Clomiphene, ovarian follicle ultrasound, intra-uterine insemination, intra-cervical insemination, start progesterone suppositories, expected next menstrual period, gestational ultrasound, human chorionic gonadotropin trigger injection, Clomid check exam, ultrasound, ultrasound scale, dexamethasone, hMG injection, Lupron, human follicular stimulating hormone injection, obstetrics visit, step-up human follicular

stimulating hormone, estrogen tests, drift days, prior cycle BCPs, prior cycle Lupron, egg capture, in vitro fertilization, embryo transfer, frozen embryo transfer, progesterone injections, estrogen tests with ultrasound, low-dose Lupron, high-dose human follicular stimulating hormone injection, G.I.F.T. laparoscopy, estrogen pill/patch, and thaw embryo.

22. (Original) The apparatus of claim 11, wherein the menstrual cycle represented is that of a human.

23. (Original) The apparatus of claim 11, wherein the menstrual cycle represented is that of a non-human animal.

24. (Original) The apparatus of claim 23, wherein the non-human animal is selected from the group consisting of cattle, horses, pigs, sheep, dogs, rats, mice and monkeys.

25. (Original) The apparatus of claim 23, wherein the non-human animal is a zoo animal.

26. (Original) The apparatus of claim 11, wherein the base and first disc are opaque and the second disc is substantially transparent.

27. (Original) An apparatus comprising a base, the base comprising a circular display of first markings divided into at least 150 equiangular parts disposed along substantially the entire periphery of the circular display, the at least 150 equiangular parts grouped into at least five segments, the first segment having 31 equiangular parts and being labeled "January", the second segment having 28 equiangular parts and being labeled "February", the third segment having 31 equiangular parts and being labeled "March" and "Leap January", the fourth segment having 29 equiangular parts and being labeled "Leap February", and the fifth segment having 31 equiangular parts and being labeled "Leap March", or the first segment having 31 equiangular parts and being labeled "Leap January", the second segment having 29 equiangular parts and being labeled "Leap February", the third segment having 31 equiangular parts and being labeled "Leap March" and "January", the fourth segment having 28 equiangular parts and being labeled

"February", and the fifth segment having 31 equiangular parts and being labeled "March", respectively, in clockwise fashion around the circle.

28. (Original) The apparatus of claim 27, wherein the circular display of markings is divided into 153 equiangular parts grouped into six segments, wherein a sixth segment comprising three equiangular parts is located between the first and fifth segment.

29. (Original) The apparatus of claim 27, wherein the base is substantially planar and opaque.

30. (Original) The apparatus of claim 27, further comprising one or more discs rotatably joined at a central axis to the circular display portion of the base, wherein the discs have a circular display of markings disposed along at least a section of the periphery thereof, the markings representing activities or events of interest.

31. (Original) The apparatus of claim 30, further comprising an additional disc having at least a circular display of markings disposed along at least a portion of the periphery thereof, the markings being divided into equiangular parts labeled with the days of the week.

32. (Original) The apparatus of claim 30, wherein the events of interest are related to a series of medical treatments.

33. (Original) The apparatus of claim 30, wherein the events of interest are related to banking, law, construction or insurance.

34. (Original) The apparatus of claim 26, adapted to determine physiologic phases and optimum time for fertility tests, treatment and protocols based on menstrual or ovulation physiology, the apparatus further comprising first and second discs adapted to be rotatably joined at a central axis to the circular display on the base, the first disc having at least a circular display of second markings disposed along at least a portion of the periphery thereof, the second markings

representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles.

35. (Original) The apparatus of claim 34, further comprising a third disc having at least a circular display of fourth markings disposed along at least a portion of the periphery thereof, the fourth markings being divided into equiangular parts labeled with the days of the week.

36. (Original) The apparatus of claim 35, further comprising a reversible locking means for securing the first, second and third discs to the base, the locking means preventing the discs from rotating once they are aligned.

37. (Original) The apparatus of claim 34, wherein the first disc further comprises fifth markings disposed in a circular display, the fifth markings representing initial steps in one or more physiologic phase or fertility test, treatment or protocol, the physiologic phase or fertility test, treatment or protocol having initial and final steps.

38. (Original) The apparatus of claim 37, wherein the second disc further comprises sixth markings disposed in a circular display, the sixth markings representing the final steps in the physiologic phase, test, treatment or protocol from the first disc.

39. (Original) The apparatus of claim 38, wherein the initial and final steps of a single phase, test, treatment or protocol on the first and second discs are the same color, and each phase, test, treatment and protocol is a different color.

40. (Original) The apparatus of claim 34, further comprising a mask which covers the unused portions of the calculator once a calculation is made, the mask comprising an opaque disc with a section cut out, the mask being the same size as the circular display on the base, and adapted to

rotatably set in coaxial relation with the base and first and second discs.

41. (Original) The apparatus of claim 40, wherein the mask comprises two sections which overlap to create an opening of variable size.

42. (Original) The apparatus of claim 34, further comprising an indicator arm for indicating the possibility of pregnancy, the indicator arm comprising a transparent arm extending from the center of the calculator to at least the outer edge of the second disc, the arm adapted to be rotatably set in coaxial relation therewith, the arm having a first marker representing intercourse, and a second marker representing the chance of sperm, wherein the second marker extends from the first marker out to a distance of up to six units, representing up to six days, including the day indicated by the first marker; wherein in use the start of the next menstrual period on the first disc is aligned with the appropriate calendar day on the base, and the indicator arm is positioned such that the first marker is aligned with the day of the month of intercourse, and the possibility of pregnancy is determined by the overlap of the second marker with a chance of egg marker on the first disc, wherein overlap indicates a possibility of pregnancy.

43. (Original) The apparatus of claim 38, wherein the first and second discs comprise a matched set, and are exchangeable with other disc sets containing stories for different fertility tests, treatments, protocols and physiologic phases.

44. (Original) The apparatus of claim 34, wherein the fertility tests, treatments, protocols and physiologic phases are selected from the group consisting of last menstrual period, current menstrual period, next menstrual period, follicular phase, luteal phase, estrogen levels, progesterone levels, lutenizing hormone blood levels, follicular stimulating hormone blood levels, lutenizing hormone surge, follicular recruitment, follicular dominance, follicle growth, ovulation, luteogenesis, luteolysis, fertilization of oocyte, fertile times, fertile times, maybe fertile times, embryo development, zygote, morula, blastocyst hatching, implantation, embryo, fetus, blood pregnancy test, urine pregnancy test, early pregnancy ultrasound, embryonic plate,



fetal heart motion, limb budding, timed intercourse, start basal body temperature chart, basal body temperature shift, cervical mucus, probable ovulation, average cycle length, no intercourse, ~~start~~ urine lutenizing hormone tests, urine lutenizing hormone ~~positive~~ test, lutenizing hormone and follicular stimulating hormone tests, post coital test, semen analysis, mid-luteal progesterone level, hysterosalpingogram x-ray, endometrial biopsy, Clomiphene, ovarian follicle ultrasound, intra-uterine insemination, intra-cervical insemination, start progesterone suppositories, expected next menstrual period, gestational ultrasound, human chorionic gonadotropin trigger injection, Comid check exam, ultrasound, ultrasound scale, dexamethasone, hMG injection, Lupron, human follicular stimulating hormone injection, obstetrics visit, step-up human follicular stimulating hormone, estrogen tests, drift days, prior cycle BBTs, prior cycle Lupron, egg capture, in vitro fertilization, embryo transfer, frozen embryo transfer, progesterone injections, estrogen tests with ultrasound, low-dose Lupron, high-dose human follicular stimulating hormone injection, G.I.F.T. laparoscopy, estrogen pill/patch, and thaw embryos.

4. (Original) The apparatus of claim 34, wherein the menstrual cycle represented is that of a human.

4. (Original) The apparatus of claim 34, wherein the menstrual cycle represented is that of a non-human animal.

4. (Original) The apparatus of claim 46, wherein the non-human animal is selected from the group consisting of cattle, horses, pigs, sheep, dogs, rats, mice and monkeys.

4. (Original) The apparatus of claim 46, wherein the non-human animal is a zoo animal.

4. (Original) The apparatus of claim 33, wherein the base and first disc are opaque and the second disc is substantially transparent.

5. (Original) An apparatus comprising a base, the base comprising at least first and second

circular displays of first and second markings, respectively, wherein the first and second circular displays are located either on opposite sides of the base, or next to each other on the same side of the base; the first circular display of first markings divided into 153 equiangular parts disposed along substantially the entire periphery of the circular display, the 153 equiangular parts grouped into five segments, the first segment having 31 equiangular parts and being labeled "April" and "September", the second segment having 30 equiangular parts and being labeled "May" and "October", the third segment having 31 equiangular parts and being labeled "June" and "November", and the fourth segment having 30 equiangular parts and being labeled "July" and "December", respectively, in clockwise fashion around the circle; and the second circular display of second markings divided into at least 150 equiangular parts disposed along substantially the entire periphery of the circular display, the at least 150 equiangular parts grouped into at least five segments, the first segment having 31 equiangular parts and being labeled "January", the second segment having 28 equiangular parts and being labeled "February", the third segment having 31 equiangular parts and being labeled "March" and "Leap January", the fourth segment having 29 equiangular parts and being labeled "Leap February", and the fifth segment having 31 equiangular parts and being labeled "Leap March", or the first segment having 31 equiangular parts and being labeled "Leap January", the second segment having 29 equiangular parts and being labeled "Leap February", the third segment having 31 equiangular parts and being labeled "Leap March" and "January", the fourth segment having 28 equiangular parts and being labeled "February" and the fifth segment having 31 equiangular parts and being labeled "March", respectively, in clockwise fashion around the circle.

51. (Original) The apparatus of claim 50, wherein the base comprises first and second sides, wherein the first circular display is located on the first side of the base and the second circular display is located on the second side of the base.

52. (Original) The apparatus of claim 50, wherein the second circular display of markings is divided into 153 equiangular parts grouped into six segments, wherein a sixth segment

comprising three equiangular parts is located between the first and fifth segment.

53. (Original) The apparatus of claim 50, wherein the first segment is labeled "March" and "August".

54. (Original) The apparatus of claim 50, wherein the first segment is labeled "August" and "January".

55. (Original) The apparatus of claim 50, wherein the first segment is labeled "March", "August" and "January".

56. (Original) The apparatus of claim 50, wherein the first segment is labeled "February", "September", and "April."

57. (Original) The apparatus of claim 50, wherein the base is substantially planar and opaque.

58. (Original) The apparatus of claim 50, further comprising one or more discs rotatably joined at a central axis to a circular display portion of the base, wherein the discs have a circular display of markings disposed along at least a section of the periphery thereof, the markings representing activities or events of interest.

59. (Original) The apparatus of claim 58, wherein first and second discs are attached to both the first and the second circular display portions of the base.

60. (Original) The apparatus of claim 58, further comprising an additional disc having at least a circular display of markings disposed along at least a portion of the periphery thereof, the markings being divided into equiangular parts labeled with the days of the week.

61. (Original) The apparatus of claim 58, wherein the events of interest are related to a series of

medical treatments.

62. (Original) The apparatus of claim 58, wherein the events of interest are related to bank, law, construction or insurance.

63. (Original) The apparatus of claim 50, adapted to determine physiologic phases and optimal time for fertility tests, treatment and protocols based on menstrual or ovulation physiology, the apparatus further comprising first and second discs adapted to be rotatably joined at a central axis, the first disc having at least a circular display of second markings disposed along at least a portion of the periphery thereof, the second markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the first disc having the same or different length as the second disc; the second disc having at least a circular display of third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles.

64. (Original) The apparatus of claim 63, further comprising a third disc having at least a circular display of fourth markings disposed along at least a portion of the periphery thereof, the fourth markings being divided into equal angular parts labeled with the days of the week.

65. (Original) The apparatus of claim 64, further comprising a reversible locking means for securing the first, second and third discs to the base, the locking means preventing the discs from rotating once they are aligned.

66. (Original) The apparatus of claim 63, wherein the first disc further comprises fifth markings disposed in a circular display, the fifth markings representing initial steps in one or more physiologic phase or fertility test treatment or protocol, the physiologic phase or fertility test treatment or protocol having initial and final steps.

67. (Original) The apparatus of claim 66, wherein the second disc further comprises sixth

markings disposed in a circular display, the said markings representing the final steps in the physiologic phase, test, treatment or protocol on the first disc.

68. (Original) The apparatus of claim 67, wherein the initial and final steps of a single phase, test, treatment or protocol on the first and second discs are the same color, and each phase, test, treatment and protocol is a different color.

69. (Original) The apparatus of claim 63, further comprising a mask which covers the unused portions of the calculator once a calculation is made, the mask comprising an opaque disc with a section cut out, the mask being the same size as the circular display on the base, and adapted to be rotatably set in coaxial relation with the base and first and second discs.

70. (Original) The apparatus of claim 69, wherein the mask comprises two sections which overlap to create an opening of variable size.

71. (Original) The apparatus of claim 63, further comprising an indicator arm for indicating the possibility of pregnancy, the indicator arm comprising a transparent arm extending from the center of the calculator to at least the outer edge of the second disc, the arm adapted to be rotatably set in coaxial relation therewith, the arm having a first marker representing intercourse, sperm, wherein the second marker extends from the first marker out to a distance of up to six days, representing up to six days, including the day indicated by the first marker, wherein in use the start of the last menstrual period on the first disc is aligned with the appropriate calendar day on the base, and the indicator arm is positioned such that the first marker is aligned with the day of the month of intercourse, and the possibility of pregnancy is determined by the overlap of the second marker with a chance of egg marker on the first disc, wherein overlap indicates a possibility of pregnancy.

72. (Original) The apparatus of claim 66, wherein the first and second discs comprise a matched set, and are exchangeable with other disc sets containing steps for different fertility tests,



76. (Original) The apparatus of claim 75, wherein the non-human animal is selected from the group consisting of cattle, horses, pigs, sheep, dogs, rats, mice and monkeys.
77. (Original) The apparatus of claim 75, wherein the non-human animal is a zoo animal.
78. (Original) The apparatus of claim 63, wherein the base and first disc are opaque and the second disc is substantially transparent.
79. (Canceled)
80. (Currently amended) The apparatus of claim 79 An apparatus displaying information relating to fertility comprising a base and first and second discs, said base and first and second discs rotatably joined at a central axis; the base having at least a circular display of first markings disposed along at least a section of the periphery of the circular display, the first markings divided into equiangular parts, the equiangular parts labeled with calendar days; the first disc having at least a circular display of second markings disposed along at least a portion of the periphery thereof, the second markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles.
- where the first disc further comprises fourth markings disposed in a circular display, the fourth markings representing initial steps in one or more physiologic phases or fertility test, treatment or protocol having initial and final steps.
81. (Original) The apparatus of claim 80 wherein the second disc further comprises fifth markings disposed in a circular display, the fifth markings representing the final steps in the

physiologic phase, treatment or protocol from the first disc.

82. (Original) The apparatus of claim 81 wherein the fourth markings represent days for performing the lutealizing hormone test, and the fifth markings represent the lutealizing hormone surge and subsequent tests, treatments and protocols.

83. (Original) The apparatus of claim 81 wherein the fourth markings represent the day or days for performing follicular ultrasound, and the fifth markings represent various follicle diameters and subsequent tests, treatments and protocols.

84. (Original) The apparatus of claim 81 wherein the initial and final steps of a single phase, test, treatment or protocol on the first and second discs are the same color, and each phase, test, treatment and protocol is a different color.

85. (Canceled)

86. (Currently amended) The apparatus of claim 85; An apparatus for displaying information relating to fertility comprising a base and first and second discs, said base and first and second discs rotatably joined at a central axis; the base having at least a circular display of first markings disposed along at least a section of the periphery of the circular display, the first markings divided into equiangular parts, the equiangular parts labeled with calendar days; the first disc having at least a circular display of second markings disposed along at least a portion of the periphery thereof, the second markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles.

further comprising a third disc having at least a circular display of markings disposed along at



least a portion of the periphery thereof, the markings being divided into equiangular parts labeled with the days of the week,

further comprising a reversible locking means for securing the first, second and third discs to the base, the locking means preventing the discs from rotating once they are aligned.

87. (Canceled)

88. (Currently amended) The apparatus of claim 87, An apparatus for displaying information relating to fertility comprising a base and first and second discs, said base and first and second discs rotatably joined at a central axis; the base having at least a circular display of first markings disposed along at least a section of the periphery of the circular display, the first markings divided into equiangular parts, the first markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the first markings having the same or different lengths; the second disc having at least a circular display of second markings disposed along at least a portion of the periphery thereof, the second markings representing events of interest relating to one or more menstrual cycles,

wherein the first markings are disposed along the entire periphery of the circular display, the first markings divided into 365 equiangular parts, the equiangular parts labeled with days of the first calendar year,

further comprising a second circular display of sixth markings disposed along the entire periphery of the circular display, the sixth markings divided into 366 equiangular parts, the sixth markings labeled with days of the leap year.

89. (Original) The apparatus of claim 88, wherein the base comprises first and second sides,

wherein the first circular display is located on the first side of the base and the second circular display is located on the second side of the base.

90. (Currently amended) ~~The apparatus of claim 85;~~ An apparatus for displaying information relating to fertility comprising a base and first and second discs, said base and first and second discs rotatably joined at a central axis; the base having at least a circular display of first markings disposed along at least a section of the periphery of the circular display, the first markings divided into equiangular parts, the equiangular parts labeled with calendar days; the first disc having at least a circular display of second markings disposed along at least a portion of the periphery thereof, the second markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles.

further comprising a third disc having at least a circular display of markings disposed along at least a portion of the periphery thereof, the markings being divided into equiangular parts labeled with the days of the week.

further comprising a mask which covers the unused portions of the calculator once a calculation is made, the mask comprising an opaque disc with a section cut out, the mask being the same size as the circular display on the base, and adapted to be rotatably set in coaxial relation with the base and first and second discs.

91. (Original) The apparatus of claim 90, wherein the mask comprises two sections which overlap to create an opening of variable size.

92. (Original) The apparatus of claim 81, further comprising an indicator arm for indicating the possibility of pregnancy, the indicator arm comprising a transparent arm extending from the

center of the calculator to at least the outer edge of the second disc, the arm adapted to be rotatably set in coaxial relation therewith, the arm bearing a first marker representing intercourse, and a second marker representing the chance of sperm, wherein the second marker extends from the first marker out to a distance of up to six units, representing up to six days, including the day indicated by the first marker; wherein in use the start of the last menstrual period on the first disc is aligned with the appropriate calendar day on the base, and the indicator arm is positioned such that the first marker is aligned with the day of the month of intercourse, and the possibility of pregnancy is determined by the overlap of the second marker with a chance of egg marker on the first disc, wherein overlap indicates a possibility of pregnancy.

93. (Original) The apparatus of claim 81, wherein the first and second discs comprise a matched set, and are exchangeable with other disc sets containing steps for different fertility tests, treatments, protocols and physiologic phases.

94. (Currently amended) The apparatus of claim 7 is: An apparatus for displaying information relating to fertility comprising a base and first and second discs, said base and first and second discs rotatably joined at a central axis; the base having at least a circular display of first markings disposed along at least a section of the periphery of the circular display, the first markings divided into equiangular parts, the equiangular parts labeled with calendar days; the first disc having at least a circular display of second markings disposed along at least a portion of the periphery thereof, the second markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles.

wherein the fertility tests, treatments, protocols and physiologic phases are selected from the group consisting of last menstrual period, current menstrual period, next menstrual period, follicular phase, luteal phase, estrogen levels, progesterone levels, lutenizing hormone blood

levels, follicular stimulating hormone blood levels, luteinizing hormone surge, follicular recruitment, follicular dominance, follicle growth, ovulation, luteogenesis, luteolysis, fertilization of oocyte, non-fertile times, fertile times, mayoe fertile times, embryo development, zygote, morula, blastocyst, hatching, implantation, embryo, ultrasound blood pregnancy test, urine pregnancy test, early pregnancy ultrasound, embryonic plate, fetal heart motion, limb budding, timed intercourse, start basal body temperature chart, basal body temperature shift, cervical mucus, probable ovulation, average cycle length, no intercourse, start urine lutenizing hormone tests, urine lutenizing hormone positive test, lutenizing hormone and follicular stimulating hormone tests, post coital test, semen analysis, mid-luteal progesterone level, hysterosalpingogram x-ray, endometrial biopsy, Clomiphene, ovarian follicle ultrasound, intra-uterine insemination, intra-cervical insemination, start progesterone support, expected next menstrual period, gestational ultrasound, human chorionic gonadotropin trigger injection, Clomid check exam, ultrasound, ultrasound scale, dexamethasone, hMG injection, Lupron, human follicular stimulating hormone injection, obstetrics visit, step-down human follicular stimulating hormone, estrogen tests, drift days, prior cycle BCPs, prior cycle Lupron, egg capture, in vitro fertilization, embryo transfer, frozen embryo transfer, progesterone injections, estrogen tests with ultrasound, low-dose Lupron, high-dose human follicular stimulating hormone injection, G.I.F.T. laparoscopy, estrogen pill/patch, and thaw embryos.

95. (Original) The apparatus of claim 81, wherein the menstrual cycle represented is that of a human.

96. (Original) The apparatus of claim 81, wherein the menstrual cycle represented is that of a non-human animal.

97. (Original) The apparatus of claim 96, wherein the non-human animal is selected from the group consisting of cattle, horses, pigs, sheep, dogs, mice and monkeys.

98. (Original) The apparatus of claim 96, wherein the non-human animal is a zoo animal.

99. (Original) An apparatus adapted to determine optimum time for achieving or avoiding pregnancy based on menstrual or ovulation physiology and a calendar of moon phases, wherein the calculator contains only non-letter, non-number symbols; the calculator comprising a base comprising a circular display divided into equiangular parts, each equiangular part representing a day in each moon phase of a full year, the display divided into one or more groups of 29 equiangular parts representing the 29 days of a moon phase; a first disc having the circumference thereof divided into equiangular parts, wherein a symbol representing a significant day which occurs at regular intervals during the moon phase is located in the parts at the regular intervals, the first disc being smaller than the circular display on the base, and adapted to be rotatably set in coaxial relation therewith so that the outside edge of the first disc lies inside the units on the base, and such that the symbols representing the significant days are aligned with the appropriate moon phase on the base; a second disc divided into equiangular parts with an annular display of first indicia disposed along substantially the entire periphery thereof, the first indicia representing the days of a menstrual cycle; wherein one or more cycles are represented, the cycles having the same or different lengths, the second disc being smaller than the first disc and adapted to be rotatably set in coaxial relation therewith so that the outside edge of the second disc lies inside the symbols on the first disc; a third disc divided into equiangular parts with an annular display of second and third indicia disposed along substantially the entire periphery thereof, the second indicia representing the days of a menstrual cycle and the third indicia representing a fertile period, the third disc being smaller than the first disc, and adapted to be rotatably set in coaxial relation with the base, first and second discs so that the outside edge of the third disc lies inside the symbols on the first disc; wherein in use the symbol representing a significant day on the first disc is aligned with the appropriate moon phase on the base, and the first disc is affixed to the base, the last menstrual cycle on the second disc is then aligned with the corresponding day on the first disc and base, according to the significant days; the next menstrual cycle on the third disc is then aligned with the corresponding day on the first disc, according to the significant days, causing the third indicia representing a fertile period on the third disc to be aligned with their corresponding day read from the base and first disc.

100. (Original) The apparatus of claim 99, further comprising a mask which covers the unused portions of the calculator once a calculation is made, the mask comprising an opaque disc with a section cut out, the mask being the same size as the circular display on the base, adapted to be rotatably set in coaxial relation with the base and first and second discs.

101. (Original) The apparatus of claim 100, wherein the mask comprises two sections which overlap to create an opening of variable size.

102. (Original) The apparatus of claim 99, wherein the significant days are religious and are represented by religious symbols.

103. (Original) The apparatus of claim 99, wherein the first and second indicia are wedge-shaped symbols with a large end on the first day of the menstrual period, and a tapered end on the last day of the menstrual period.

104. (Original) The apparatus of claim 103, wherein the wedge-shaped symbols are colored red.

105. (Original) The apparatus of claim 99, wherein the third indicia are baby-shaped symbols, and range from faintly printed through darkly printed and back to faintly printed according to the chance of conception wherein the darker the symbol the greater chance of conception.

106. (Original) The apparatus of claim 99, wherein the base further comprises symbols representing specific times of the year.

107. (Original) The apparatus of claim 106, wherein the specific times of the year include planting, harvesting, seasons and religious or tribal ceremonies.

108. (Original) The apparatus of claim 99, wherein the base and first and second discs are opaque and the third disc is substantially transparent.

109. (Original) The apparatus of claim 99, further comprising a reversible locking means for securing the first, second and third discs to the base, the locking means preventing the discs from rotating once they are aligned.

110. (Canceled)

111. (Currently amended) The method of claim 110; A method for calculating dates and displaying information relating to fertility using a calculator, the calculator comprising a base and first and second discs, said base and first and second discs rotatably joined at a central axis; the base having at least a circular display of first markings disposed along at least a section of the periphery of the circular display, the first markings divided into equiangular parts, the equiangular parts labeled with calendar days; the first disc having at least a circular display of at least second markings disposed along at least a portion of the periphery thereof, the second markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of at least third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles; the method comprising rotating the first disc such that the second markings representing the days of a menstrual cycle are aligned with the appropriate calendar day on the base; rotating the second disc such that at least one of the third markings are aligned with the appropriate menstrual cycle day; and reading the calendar days associated with additional events of interest.

wherein the events of interest are events relating to the lutenizing hormone (LH) surge, wherein the first disc addition has fourth markings representing menstrual cycle days for performing the lutenizing hormone test, the third markings on the second disc representing lutenizing hormone surge and subsequent tests, treatments and protocols; the method comprising rotating the first disc such that the second markings representing the days of a menstrual cycle are aligned with the appropriate calendar day on the base, rotating the second disc such that the marking representing the lutenizing hormone surge is aligned with the appropriate lutenizing hormone test day, and

reading the calendar days associated with the subsequent tests, treatments and protocols.

112. (Currently amended) The method of claim 110; A method for calculating dates and displaying information relating to fertility using a calculator, the calculator comprising a base and first and second discs, said base and first and second discs rotatably joined at a central axis; the base having at least a circular display of first markings disposed along at least a section of the periphery of the circular display, the first markings divided into equiangular parts, the equiangular parts labeled with calendar days; the first disc having at least a circular display of at least second markings disposed along at least a portion of the periphery thereof, the second markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of at least third markings disposed along at least a portion of the periphery thereof, the third markings representing events of interest relating to one or more menstrual cycles; the method comprising rotating the first disc such that the second markings representing the days of a menstrual cycle are aligned with the appropriate calendar day on the base; rotating the second disc such that at least one of the third markings be aligned with the appropriate menstrual cycle day; and reading the calendar days associated with additional events of interest.

wherein the events of interest are based on follicle size, wherein the first disc addition has fourth markings representing menstrual cycle days for performing follicular ultrasound, the third markings on the second disc representing various follicle sizes and subsequent tests, treatments and protocols; the method comprising rotating the first disc such that the second markings representing the days of a menstrual cycle are aligned with the appropriate calendar day on the base, rotating the second disc such that the marking representing the appropriate measured follicle size is aligned with the appropriate menstrual cycle day, and reading the calendar days associated with the subsequent tests, treatments and protocols.

113. (Original) A method for calculating dates and displaying information relating to fertility



using a calculator, the calculator comprising a base and first and second discs, the base comprising at least first and second circular displays of first and second markings, respectively, wherein the first and second discs are adapted to be rotatably joined at a central axis to the first and second circular displays; the first circular display of first markings divided into 153 equiangular parts disposed along substantially the entire periphery of the circular display, the 153 equiangular parts grouped into five segments, the first segment having 31 equiangular parts, the second segment having 30 equiangular parts and being labeled "April" and "September", the third segment having 31 equiangular parts and being labeled "May" and "October", the fourth segment having 30 equiangular parts and being labeled "June" and "November", and the fifth segment having 31 equiangular parts and being labeled "July" and "December", respectively, in clockwise fashion around the circle; and the second circular display of second markings divided into at least 150 equiangular parts disposed along substantially the entire periphery of the circular display, the at equiangular parts grouped into at least five segments, the first segment having 31 equiangular parts and being labeled "January", the second segment having 28 equiangular parts and being labeled "February", the third segment having 31 equiangular parts and being labeled "March" and "Leap January", the fourth segment having 29 equiangular parts and being labeled "Leap February", and the fifth segment having 31 equiangular parts and being labeled "Leap March", or the first segment having 31 equiangular parts and being labeled "Leap January", the second segment having 29 equiangular parts and being labeled "Leap February", the third segment having 31 equiangular parts and being labeled "Leap March" and "January", the fourth segment having 28 equiangular parts and being labeled "February", and the fifth segment having 31 equiangular parts and being labeled "March", respectively, in clockwise fashion around the circle; the first disc having at least a circular display of third markings disposed along at least a portion of the periphery thereof, the third markings representing the days of a menstrual cycle, wherein one or more cycles are represented, the cycles having the same or different lengths; the second disc having at least a circular display of fourth markings disposed along at least a portion of the periphery thereof, the fourth markings representing events of interest relating to one or more menstrual cycles; the method comprising rotating the first disc to align the days of a menstrual cycle with the appropriate calendar days on the first or second circular display; rotating

the second disc to align the events of interest with the appropriate menstrual cycle day on the first disc; determining the calendar dates of additional events of interest relating to additional menstrual cycles based on the associated calendar day on the first or second circular display.

114. (Original) A method for timing the fertile period using a calculator adapted to determine optimum time for achieving or avoiding pregnancy based on menstrual or ovulation physiology and a calendar of moon phases, wherein the calculator contains only non-letter, non-number symbols, the calculator comprising a base comprising a circular display divided into 365 equiangular parts, each unit representing a day in each moon phase of a full year, a first disc having the circumference thereof divided into 365 equiangular parts, wherein a symbol representing a significant day which occurs in cycles is located in the units at intervals according to the cycle, the first disc being smaller than the circular display on the base, and adapted to be rotatably set in coaxial relation therewith so that the outside edge of the first disc lies inside the units on the base; a second disc divided into 365 equiangular parts with an annular display of first indicia disposed along substantially the entire periphery thereof, the first indicia representing the days of a menstrual cycle; wherein one or more cycles are represented, the cycles having the same or different lengths, the second disc being smaller than the first disc and adapted to be rotatably set in coaxial relation therewith so that the outside edge of the second disc lies inside the symbols on the first disc; a third disc divided into 365 equiangular parts with an annular display of second and third indicia disposed along substantially the entire periphery thereof, the second indicia representing the days of a menstrual cycle and the third indicia representing a fertile period, the third disc being smaller than the first disc, and adapted to be rotatably set in coaxial relation with the base, first and second discs so that the outside edge of the third disc lies inside the symbols on the first disc; the method comprising rotating the first disc such that the symbol representing a significant day on the first disc is aligned with the appropriate moon phase on the base, affixing the first disc to the base to set the calendar, rotating the second disc such that the last menstrual cycle on the second disc is aligned with the corresponding day on the first disc and base, according to the significant days, rotating the third disc such that the next menstrual cycle on the third disc is aligned with the corresponding day on the first disc,

according to the significant days, determining the days from the base and first disc which correspond to the third indicia on the third disc representing a fertile period.

115-12 (canceled).